

# RELION XE2122eAP SERVER

A HIGH DENSITY, SCALABLE 2U - 2 NODE SERVER  
OPTIMIZED FOR HPC AND AI



## OVERVIEW

Modern data centers require flexible computing resources that can be deployed at scale. The Penguin Computing Relion® XE2122eAP server provides dual Intel® Xeon® Scalable Processors per node, up to 24 DDR4 DIMM slots per node, and up to two M.2 NVMe drives or two M.2 NVMe drives with 2 U.2 NVMe drives for flexible and dense storage. With powerful compute and dense storage in a single server, the Relion XE2122eAP server is an optimal platform for data center and HPC deployments at scale.

## FEATURES & BENEFITS

- Dual Intel® Xeon® Scalable Processors
- Up to 3TB DDR4-2933MHz / 6TB with Intel® Optane™ DC Persistent Memory across 24 DIMM slots
- Up to 2x M.2 NVMe drives per node or up to 2x M.2 and 2x U.2 NVMe drives per node
- Up to four PCIe Gen3 x16 low profile slot

FEATURE	TECHNICAL SPECIFICATIONS
<b>Form Factor</b>	2U - 2 Node Rackmount
<b>Processors</b>	Processor Number: 2 per node / 4 total Processor Type: Intel® Xeon® Scalable Processors
<b>Motherboard</b>	BMC Chipset: Intel® Lewisburg C621 Express Series
<b>Board Management</b>	BMC Interface: ASpeed AST2500
<b>Memory</b>	Memory Type: DDR4-2933MHz ECC Memory Capacity: Up to 3TB DDR4 (24x DIMMs)
<b>Hard Drive Bays</b>	M.2 NVMe: Up to two drives per node U.2 NVMe: Up to two drives per node
<b>Networking</b>	Ethernet Controller: Intel® I350 On-Board LAN: 2x 1GbE/RJ45
<b>PCI Expansion Slots</b>	Number of Slots/Gen/Speed (Size): 4x Gen3 PCIe x16 (LP)

FEATURE	TECHNICAL SPECIFICATIONS	
<b>GPU:</b>	GPU Capable:	No
<b>External I/O Interfaces</b>	USB Ports:	None (Available via Included Dongle)
	VGA Ports:	None (Available via Included Dongle)
	Serial Ports:	None (Available via Included Dongle)
<b>Power System</b>	Power Supply Size:	3x 1600W 80Plus Titanium
<b>Regulatory Compliance</b>	Regulations:	EMEA, ASMO
<b>Mounting Hardware</b>	Rackmount Rails:	Standard Rails Included
<b>Operating Environment</b>	Operating Temperature:	15C to 35C (59F to 95F)
	Non-operating Temperature:	0C to 70C (0F to 158F)
	Operating Relative Humidity:	30% to 80% (non-condensing)
	Non-operating Relative Humidity:	5% to 90% (non-condensing)
<b>System Dimensions</b>	Height: 3.42" Width: 17.57" Depth: 35.83"	
<b>Warranty</b>	3 Year Standard; Up to 4 years on-site available.	

## Learn More

Configure your ideal server at [www.penguincomputing.com](http://www.penguincomputing.com).

For pricing on your specific configuration, contact a representative by email at [sales@penguincomputing.com](mailto:sales@penguincomputing.com) or call 1-888-PENGUIN (736-4846).

## Purchase with Financing

Finance products, services, even soft costs with Penguin Computing Capital. Choose from options such as no money down, flexible billing choices, extended repayment timelines, and a variety of end-of-term alternatives.

## About Penguin Computing, a SMART Global Holdings Company

Penguin Computing, a U.S.-based global provider of high-performance computing (HPC), artificial intelligence (AI) and machine learning, and data center solutions, has been serving the industry for over 20 years. Penguin Computing offers a comprehensive portfolio of hardware and software including solutions based on the Open Compute Project (OCP), as well as extensive services including financing and top-rated customer support. Penguin Computing products include Linux-based servers, software, integrated turn-key clusters, enterprise-grade storage, and bare metal HPC, all available in hardware or cloud-based solutions via Penguin Computing® On-Demand™ (POD). Penguin Computing is a subsidiary of SMART Global Holdings, Inc.



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